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PATENT

UTILITY PATENT APPLICATION TRANSMITTAL

BOX PATENT APPLICATION Washington, D.C. 20231 Commissioner for Patents Attorney Docket No.: 010141

Date: April 4, 2001

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1c903 U.S. PTO 09/826130

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s)

ANDREW SENDONARIS, RAJESH SUNDARESAN

For:

METHOD AND APPARATUS FOR ESTIMATING CHANNEL CHARACTERISTICS USING

PILOT AND NON-PILOT DATA

Enclosed are:

- 1. E Patent application (29) total pages.
- 2. Drawings: Formal (8) sheet(s) or □ Informal () sheet(s).
- 3. Declaration/Power of Attorney:
- ☐ Signed ☑ Unsigned
- 4. An Assignment () pages and Recordation Form Cover Sheet.
- 5. A Preliminary Amendment () pages.
- 6. ☐ Information Disclosure Statement (IDS):
 - a. DPTO-1449
 - b. ☐ Copies of IDS Citations (number of citations:)
- 7.

 Other: Certificate of Express Mail; return receipt postcard

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	25 - 20	5	X \$18 =	\$90
Independent**	4-3	1	X \$80 =	\$80
Multiple Dependent Claim(s): ☑ No ☐ Yes			\$270	\$0
APPLICATION FILING FEE			\$710	\$710
*If the number in column a is less than 20, enter 0 in column b. **If the number in column b is less then 3, enter 0 in column b.			TOTAL FEE	\$880

^{8. \(\}Boxed{1}\) Fee check in the amount of \$0.00 is enclosed to pay for any claim and/or extension fees.

9. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$880. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.

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Date: April 4, 2001

Signature: (__

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